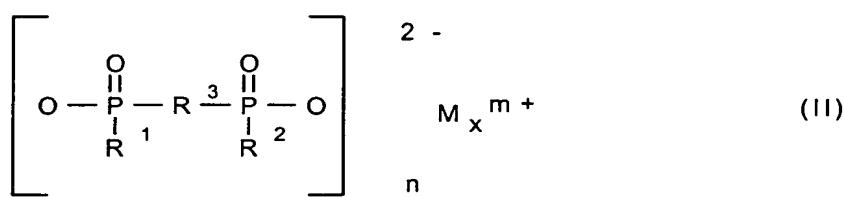
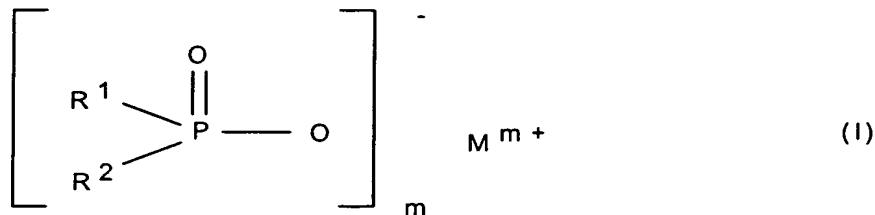


What is claimed is:

1. A flame retardant-stabilizer combination for thermoplastic polymers, comprising, as component A, from 25 to 99.9% by weight of a phosphinic acid salt of 5 the formula (I) and/or of a diphosphinic acid salt of the formula (II) and/or polymers thereof



10 where

R^1, R^2 are the same or different and are each $\text{C}_1\text{-C}_6$ -alkyl, linear or branched, and/or aryl;

R^3 is $\text{C}_1\text{-C}_{10}$ -alkylene, linear or branched, $\text{C}_6\text{-C}_{10}$ -arylene, -alkylarylene or -arylalkylene;

15 M is Mg, Ca, Al, Sb, Sn, Ge, Ti, Zn, Fe, Zr, Ce, Bi, Sr, Mn, Li, Na, K and/or a protonated nitrogen base;

m is from 1 to 4;

n is from 1 to 4;

x is from 1 to 4,

20 as component B, from 20 to 50% by weight of melamine polyphosphate and, as component C, from 0.1 to 50% by weight of a basic or amphoteric oxide, hydroxide, carbonate, silicate, borate, stannate, mixed oxide hydroxide, oxide hydroxide carbonate, hydroxide silicate or hydroxide borate or mixtures of these substances, the sum of the components always being 100% by weight.

2. A flame retardant-stabilizer combination as claimed in claim 1, wherein R¹, R² are the same or different and are each C₁-C₆-alkyl, linear or branched, and/or phenyl.

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3. A flame retardant-stabilizer combination as claimed in claim 1 or 2, wherein R¹, R² are the same or different and are each methyl, ethyl, n-propyl, isopropyl, n-butyl, tert-butyl, n-pentyl and/or phenyl.

10 4. A flame retardant-stabilizer combination as claimed in one or more of claims 1 to 3, wherein R³ is methylene, ethylene, n-propylene, isopropylene, n-butylene, tert-butylene, n-pentylene, n-octylene or n-dodecylene; phenylene or naphthylene; methylphenylene, ethylphenylene, tert-butylphenylene, methylnaphthylene, ethylnaphthylene or tert-butylnaphthylene; phenylmethylen, phenylethylene, phenylpropylene or phenylbutylene.

15 5. A flame retardant-stabilizer combination as claimed in one or more of claims 1 to 4, wherein M is a calcium, aluminum or zinc ion.

20 6. A flame retardant-stabilizer combination as claimed in one or more of claims 1 to 5, wherein component C is magnesium oxide, calcium oxide, aluminum oxide, zinc oxide, manganese oxide and/or tin oxide.

25 7. A flame retardant-stabilizer combination as claimed in one or more of claims 1 to 5, wherein component C is aluminum hydroxide, boehmite, dihydrotalcite, hydrocalumite, magnesium hydroxide, calcium hydroxide, zinc hydroxide, tin oxide hydrate, manganese hydroxide, zinc borate, basic zinc silicate or zinc stannate.

30 8. A flame retardant-stabilizer combination as claimed in one or more of claims 1 to 7, wherein from 50 to 80% by weight of component A, from 20 to 50% by weight of component B and from 2 to 20% by weight of component C are present.

9. A flame-retardant plastics molding composition, comprising a flame retardant-stabilizer combination as claimed in one or more of claims 1 to 8.

10. A flame-retardant plastics molding composition as claimed in claim 9, wherein the plastics used are thermoplastic polymers of the type high-impact polystyrene, polyphenylene ether, polyamides, polyesters, polycarbonates and blends or polymer 5 blends of the type ABS (acrylonitrile-butadiene-styrene) or PC/ABS (polycarbonate/acrylonitrile-butadiene-styrene) or PPE/HIPS (polyphenylene ether/Hi polystyrene) plastics.
11. A flame-retardant plastics molding composition as claimed in claim 9 or 10, 10 wherein the plastics are polyamides, polyesters and PPE/HIPS blends.
12. A flame-retardant plastics molding composition as claimed in one or more of claims 9 to 11, which comprises the flame retardant-stabilizer combination in an amount of from 2 to 50% by weight %, based on the plastics molding composition. 15
13. A flame-retardant plastics molding composition as claimed in one or more of claims 9 to 12, which comprises the flame retardant-stabilizer combination in an amount of from 10 to 30% by weight, based on the plastics molding composition.
- 20 14. A flame-retardant plastics molding composition as claimed in one or more of claims 9 to 12, which comprises the flame retardant-stabilizer combination having the composition as claimed in claim 20.
- 25 15. A polymer shaped body, film, thread or fiber comprising a flame retardant- stabilizer combination as claimed in one or more of claims 1 to 8.
16. A polymer shaped body, film, thread or fiber as claimed in claim 15, wherein the polymers are high-impact polystyrene, polyphenylene ethers, polyamides, polyesters, polycarbonates and blends or polymer blends of the type ABS 30 (acrylonitrile-butadiene-styrene) or PC/ABS (polycarbonate/acrylonitrile-butadiene- styrene), polyamide, polyester and/or ABS.
17. A polymer shaped body, film, thread or fiber as claimed in claim 15 or 16, which comprises the flame retardant-stabilizer combination in an amount of from 2 to

50% by weight, based on the polymer content.

18. A polymer shaped body, film, thread or fiber as claimed in one or more of claims 15 to 17, which comprises the flame retardant-stabilizer combination in an 5 amount of from 10 to 30% by weight, based on the polymer content.